

DIGITAL RADIO TUNER DRX-601E/ES

World's First Affordable Digital Radio



DRX-601ES



DRX-601E

The DRX range of dedicated digital radio tuners includes the award winning DRX-601E and What Hi-Fi's Tuner of the Year, the DRX-601ES, both of which provide high-performance, affordable access to digital audio broadcast (DAB) transmissions. A revolution in broadcast audio quality, DAB digital radio provides superb quality sound, eliminating the hiss, crackle and fade associated with analogue radio broadcasts.

DAB provides high-detail, digital-quality sound; supports over 60 national, local and digital-only channels; and enables broadcasters to provide additional text information such as the station name and track information or a scrolling ticker showing sports results, news headlines or financial information.

Designed to complement your hi-fi separates system, either as an additional input source to a hi-fi amplifier or as a companion to an existing AM/FM radio tuner, the DRX-601E has a high-sensitivity RF tuner module, high-performance DSP processor, 24-bit 96 kHz stereo DAC, low-noise toroidal power supply, LCD text display and infrared remote control. The DRX-601ES shares these features and adds psycho-acoustic compensation (PAC™) technology, a silver anodised aluminium front panel, silver finish casework and controls, blue LED indicators and an easy to read blue/white display.

Crystal-clear DAB sound

The digital audio broadcast (DAB) transmission standard provides high-quality, interference-free digital audio without the hiss, crackle and fade that occurs with traditional analogue FM/AM broadcasts. DAB receivers are easy to tune, automatically selecting the strongest regional transmitter, and are virtually immune to the multipath distortion that affects traditional FM receivers.

Wide range of stations

Up to twice as many stations are available in many areas as via FM. UK national radio services broadcast digitally include BBC Radios 1-4, BBC Radio 5 Live, BBC Radio 5 Live Sports Xtra, BBC World Service, BBC Radio 4 Longwave Service, Classic FM, talkSPORT and Virgin Radio. In some areas over 40 digital radio stations are available including local stations such as Heart 106.2, Jazz FM, Capital Radio and unique-to-digital stations such as Oneword, Bloomberg and Ministry of Sound.

Unique PAC™ technology

The DRX-601ES takes DAB audio quality to even greater heights with the addition of PAC (psycho-acoustic compensation) technology. Developed by PURE Digital after in-depth analysis of the DAB transmission process, PAC provides an outstandingly natural sound. PAC technology is not available in other DAB tuners.

Easy to use

Unique one-touch autotune facility finds all the stations available in your area. Flick through the entire list of stations seeing each by name. Store and access your favourite stations using the infrared remote control.

Latest DAB features

LCD display shows additional data supplied by the broadcaster such as the station name and programme description, or scrolling text that provides information on the music playing, programme summaries, news headlines or sports results.

Maximum connectivity

Connectors include coaxial and optical digital audio outputs, analogue audio output and analogue loop-through for an existing AM/FM tuner. Additional Receiver Data Interface (RDI) optical digital output supports future data reception when services are introduced.

DAB

Digital Audio Broadcasting

digital **radio**



HotStuff
★★★★★



Best Buys 2001

www.videologic.com

DIGITAL RADIO TUNER DRX-601E/ES

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DRX RANGE TECHNICAL SPECS

Specifications: Digital radio tuner, with full Band III reception capability for reception of all UK DAB broadcasts. Fully compliant with ETS 300 401 and capable of decoding all DAB transmission modes 1-4. With analogue stereo output, optical and coaxial 48 kHz S/PDIF digital output and RDI digital output.

Frequency range: Band III (174 - 240 MHz), with fast autotune feature.

Tuner sensitivity: -98 dBm.

Integrated DAC: 24-bit 96 kHz stereo DAC.

Input connectors: RF F-connector 75Ω for DAB aerial connection (aerial supplied). Dual phono for external line level audio input (from FM/AM/AUX tuner unit) with auto pass-through to output at power off.

Output connectors: Dual phono for stereo analogue audio output. Optical Toslink connector for digital S/PDIF output (IEC958 @ 48 kHz). Coaxial connector for digital S/PDIF output (IEC958 @ 48 kHz). Optical connector for digital RDI output.

Controls: Power on/off. Autotune button. Rotary selection switch. Brightness button selects between 4 levels of LCD display brightness. Display button selects between DLS (Dynamic Label Segment) scrolling text, programme type, and Service Information (DAB ensemble name, frequency, etc.) for LCD display. Info button switches LCD between signal strength indicator and mono/stereo mode plus service's data rate.

Indicators (front panel): LED power-on indicator. Remote control activity indicator. Stereo service indicator. Secondary service indicator.

High visibility STN LCD display: 16 x 2 characters with 4 user-selectable brightness levels.

Performance: Frequency response (limited by broadcast - DAC capable of higher responses) of 20 Hz to 20 kHz for 48 kHz decode; 20 Hz to 12 kHz for 24 kHz low sample frequency (LSF) decode.

THD (nominal output): Less than 0.005% at 1 kHz.

S/N Ratio: 100 dB.

Remote control: Infrared remote control functions include: station select, preset station store/recall, DRC (dynamic range control), mute and primary or secondary information display.

Power supply: High-performance, low noise internal toroidal transformer power supply. 230V AC 50 Hz.

Approvals: CE marked. Compliant with the EMC and Low Voltage Directives (89/336/EEC and 73/23/EEC).

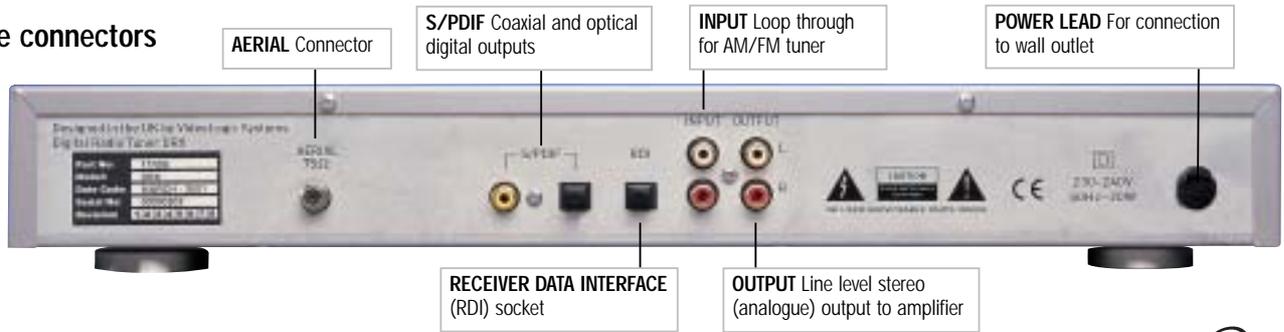
Dimensions: 430 mm (w) x 65 mm (h) x 270 mm (d).

Cables supplied: Stereo phono to phono cable and DAB 'T' indoor aerial.

Technical support: Telephone support hotline and Internet web site.

Warranty: Two years.

DRX range connectors



The Sunday Times, Doors, May 2001

"Produces crystal-clear stereo sound... this is a must for serious radio listeners."

What Hi-Fi? Sound & Vision, Awards 2001, Product of the Year

"the '601E has a presentation that's rich, clean and extremely informative. Bass is big and powerful, while the midband and treble are well controlled... the sound quality makes it a Product of the Year."

Time Out, June 2001

"Its sleek silver body and sensational sound quality make it a must for radio purists and hi-tech junkies alike."

HiFi Choice, February 2001, Best Buy

"In terms of sound quality this 'budget' DAB tuner can meet more expensive alternatives head on... If you want DAB I'd say the choice is simple."

Boys Toys, October 2001

"this is a big cat in the sonic jungle."

Stuff, June 2001, Hot Stuff Award

"PAC audio-optimisation technology... takes the best of both analogue and digital signals and combines them to produce the most natural sound."

Gramophone, August 2001

"It's remarkable value for money, delivers a high standard of performance..."

digital radio

DAB

Digital Audio Broadcasting

Remote Control Functions

DRC (Dynamic Range Control)

Improve audibility at low volume or in noisy listening environments.

STORE and 1-9

Store and access your favourite stations with one-touch.

DISPLAY

Display the programme type, broadcaster's scrolling text messages, ensemble name or technical information.

INFO

Display signal strength or mode (stereo/mono and data rate).

MUTE

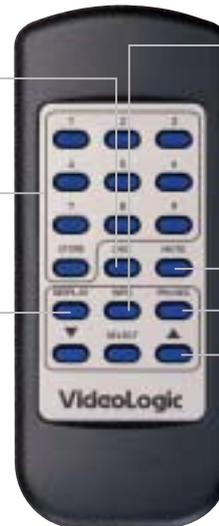
Mute the output volume.

PRI/SEC

Choose between primary and secondary services.

▼▲ and SELECT

Cycle through and select stations.



DRX-601ES remote shown



Tuners
VideoLogic DRX-601ES



HotStuff
★★★★★



Best Buys 2001

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